

ARIZONA DEPARTMENT OF TRANSPORTATION
ROADWAY ENGINEERING GROUP
OFFICE MEMO

May 13, 1999

TO: Roadway Design Personnel
ADOT and Consultants

FROM: Terry H. Otterness
Design Program Manager
Roadway Design Section

RE: **Revisions to Construction Standard Drawings:
F-Shape Barrier ; Type C Freeway Curb & Catch Basin**

ADOT has adopted a revision to the configuration of concrete barrier from the New Jersey shape to the F-Shape. Although the New Jersey shape is still acceptable, the F-Shape has been crash tested and exhibits superior performance characteristics. The applicable C-Std. have been revised to reflect the F-Shape and will be issued in a supplemental package targeted for July. In the interim period, the drawings are available to be inserted into the plans as Roadway Group Plans Details. The drawings are available from Jeri Pulkinen at 602-712-7355 and are to be used to substitute for the following C-Std: C-10.31; C-10.62; C-10.70; C-10.71; C-10.75.

Details have also been developed and are available for F-Shape 42" concrete half-barrier and half-barrier vertical transitions from 42" to 32". These will become new Standard Drawings.

Std. C-05.10 Type C (Freeway) Curb and Gutter has been modified to decrease the 2" depression. With the new 0.625" drop, the gutter slope will closely match the cross-slope of the adjacent pavement. The decrease in the depression increases the ponding elevation available to top of curb, increases the available spread, which then allows greater economy in catch basin spacing. Std. C-15.91, Freeway Catch Basin Details, has been modified to reflect the required frame and grate dimensions for the new Type C Curb and Gutter. The interim drawings for Std. C-05.10 and C 05.91 are also available from Jeri.

Please distribute copies of this memo to design personnel including consultants working in your respective areas.

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